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U.S.PTO

Rev 01/30/04

UTILITY
PATENT APPLICATION
TRANSMITTAL

Attorney Docket No.: S-100,604

First Inventor or Application Identifier: Thomas C. Terwilliger

Title: STATISTICAL DENSITY MODIFICATION USING LOCAL
PATTERN MATCHING

Express Mail Label No.: ER 311845960 US

APPLICATION ELEMENTS

ADDRESS TO: Commissioner for Patents
Mail Stop Patent Application
PO Box 1450
Alexandria, VA 22313-1450

1. * Fee Transmittal Form (e.g. PTO/SB/17)
(submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages: 39]
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R&D
 - Reference to sequence listing, a table or a computer program listing appendix
 - Background of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawings(s) (35 U.S.C.113) [Total Sheets: 15]
 - Formal
 - Informal
5. Declaration & Power of Attorney
 - [Total Pages: 2]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 C.F.R. 63(d))
(for continuation/divisional with Box 16 completed)
 - c. DELETION OF INVENTOR(S)
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 C.F.R. §§ 1.63(d)(2) and 1.33 (b).

6. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Copy
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. Assignment Papers (cover sheet & documentation)
9. 37 C.F.R. §3.73(b) Statement Power of Attorney
(when there is an assignee)
10. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
11. Preliminary Amendment
12. Return Receipt Postcard (MPEP 503)
(should be specifically itemized)
13. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
14. Nonpublication Request and Certification Under 35 U.S.C. 122(b)(2)(b)(i)
15. Other: Compact Disc Transmittal Letter with 2 CDs

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

 Continuation Divisional Continuation-in-part (CIP) of prior application S.N. .

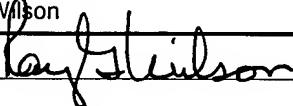
Prior application information: Examiner: Group/Art Unit:

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

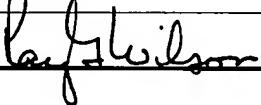
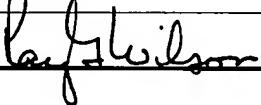
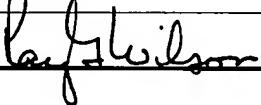
16. CORRESPONDENCE ADDRESS

 Customer Number 35068OR Correspondence Address Below

35068

Name: Ray G. Wilson	Address: Los Alamos National Laboratory, LC/IP, MS A187	
City: Los Alamos	State: New Mexico	Zip Code: 87545
Country: United States	Telephone: (505) 665-3112	Fax: (505) 665-4424
Name: Ray G. Wilson	Registration No.: 28,351	
Signature: 	Date: April 08, 2004	

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FEE TRANSMITTAL For FY 2004		Complete if Known																																																																																																																																																	
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<input checked="" type="checkbox"/> The commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number: 12-2150 Deposit Account Name: Los Alamos National Laboratory		3. ADDITIONAL FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity Fee</th> <th style="text-align: left;">Small Entity Fee</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>\$770</td><td>\$385</td><td>Utility filing fee</td><td></td></tr> <tr><td>\$770</td><td>\$385</td><td>Reissue filing fee</td><td></td></tr> <tr><td>\$160</td><td>\$80</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="2"></td><td>SUBTOTAL (1)</td><td>\$385.00</td></tr> </tbody> </table>		Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid	\$770	\$385	Utility filing fee		\$770	\$385	Reissue filing fee		\$160	\$80	Provisional filing fee				SUBTOTAL (1)	\$385.00																																																																																																																												
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No. 28,351</td> </tr> <tr> <td>Signature:</td> <td colspan="2"></td> <td>Date: 4/8/04 Telephone (505) 665-3112</td> </tr> </tbody></table>		Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid	\$130	\$65	Surcharge – late filing fee or oath		\$50	\$25	Surcharge – late provisional filing fee or cover sheet		\$2,520	\$2,520	For filing a request for reexamination		\$110	\$55	Extension for reply within first month		\$420	\$210	Extension for reply within second month		\$950	\$475	Extension for reply within third month		\$1,480	\$740	Extension for reply within fourth month		\$2,010	\$1,005	Extension for reply within fifth month		\$330	\$165	Notice of Appeal		\$330	\$165	Filing a brief in support of an appeal		\$290	\$145	Request for oral hearing		\$110	\$55	Petition to revive – unavoidable		\$110	\$55	Terminal Disclaimer		\$1,330	\$665	Petition to revive – unintentional		\$130	\$130	Petitions to the Commissioner		\$50	\$50	Petitions related to provisional applications		\$180	\$180	Submission of Information Disclosure Statement		\$770	\$385	Filing a submission after final rejection (37 CFR 1.129 (a))		\$770	\$385	For each additional invention to be examined (37 CFR 1.129(b))		\$100	\$100	Certificate of Correction		\$300	\$300	Publication fee for early, voluntary, or normal publication		\$770	\$385	Request for Continued Examination (RCE)		Other fee (specify) _____				SUBTOTAL (3) \$				Reduced by Basic Filing Fee Paid				SUBTOTAL FROM 1 \$385.00 SUBTOTAL FROM 2 \$-0- SUBTOTAL FROM 3 \$-0-				TOTAL AMOUNT OF PAYMENT \$385.00				SUBMITTED BY			Complete (if applicable)	Printed Name:	Ray G. 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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Thomas C. Terwilliger

Docket No.: S-100,604

For : STATISTICAL DENSITY MODIFICATION USING LOCAL PATTERN
MATCHINGCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

COMPACT DISC TRANSMITTAL LETTER

Sir:

Machine format

Dell PC

Operating system

Windows 2000 Professional

Files

File Name	Date Created	File Size
resolve_pattern_2.05.f	July 7, 2003	1,028 KB
resolve_2.05.f	July 7, 2003	5,935 KB
resolve_pattern_allocate_2.05.c	July 7, 2003	38 KB
resolve_allocate-2.05.c	July 7, 2003	43 KB
tabulate.f	July 7, 2003	82 KB
index_setup.f	July 7, 2003	59 KB
analyze_tabulate.f	July 7, 2003	71 KB

The compact disc is submitted in duplicate. Copy 1 and Copy 2 are identical.

Respectfully submitted,

Date: April 8, 2004

Signature of AttorneyReg. No. 28,351
Phone (505) 665-3112Ray G. Wilson
Los Alamos National Laboratory
LC/IP, MS A187
Los Alamos, New Mexico 87545